How you can relate six phases Requirement, Design, Development, Testing, Deployment & Maintenance to Software Testing Life Cycle?

Let’s see how I related these six phases with STLC

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Phase** | **SDLC - Software Development Life cycle** | **STLC - Software Test Life Cycle** |
| 1 | Requirements Gathering | Requirements gathering are done by business analyst. Development team analyze the requirements from the design, architecture & coding perspective. | Testing team also reviews & analyze the requirements. Testing team identifies the testing requirements like what types of testing will be required and review the requirements for logical functional relationship between various features / modules, so that any gaps can be caught at an early stage. |
| 2 | Design | Technical architect works for the high level & low design of the software. Business analyst works for the UI design of the application | Here, test architect generally the test lead/manager, does the test planning, identify high level testing points. Basically, requirement detailing is done in this phase. |
| 3 | Coding or development | Development team does the actual coding based on the designed architecture. | Testing team write the detailed test cases. |
| 4 | Testing | In SDLC, actual testing is carried out in this phase. It includes unit testing, integration testing & system testing etc.. | Test Execution and bug reporting, manual testing, automation testing is done, defects found are reported. Re-testing and regression testing is also done in this phase. *But, I don't agree with this statement. So, if I want to relate the testing phase with STLC, I would say it it is testing of test cases & test plans i.e. is basically review of test cases, test scenarios etc..* |
| 5 | Deployment | Application is deployed on production environment for real end users. | Final testing and implementation is done is this phase and final test report is prepared. *For this statement as well, I don't agree. For software / application deployment is basically, when it is installed for real use. So, this way, STLC, deployment would be when test when test cases getting used i.e. execution of test cases.* |
| 6 | Maintenance | Basically, it includes, post production / deployment support & enhancements. | Most of people say - Maintenance testing is carried out in this phase. *My definition for this is - updation & maintenance of test plans, test case required for the testing of support requests & enhancements as a part of maintenance.* |